

## Select Search Type To Begin

### **National Stock Number (NSN) Information**

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Pin Point Coherent View ® Portal provides users with complete information about National Stock Numbers. Information from over 20 different Government databases has been compiled into an easily searchable Coherent View.

· [Parametric Search](#) · [Batch Query](#)

### **FedBizOpps (FBO) Information/Subscriptions**

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Pin Point provides users the ability search and subscribe to Federal government procurement opportunities (FBO) awards, notices, pre-solicitations and solicitations.

### **Commercial And Government Entity (CAGE) Information**

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Information from the Central Contractor Registry (CCR), Small Business Administration (SBA) and Federal Logistics Information Systems' H4H8 CAGE database are all incorporated into a single view.

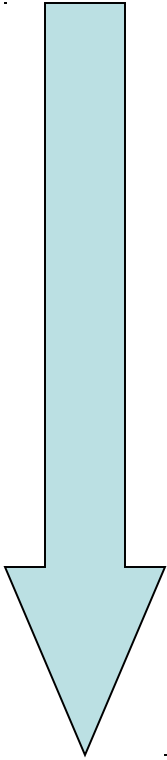
### **Part Information**

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Pin Point contains part information from the biggest government parts portals GSA Advantage and DOD EMALL. Wealth of knowledge combined with the XSB Master Datafile PinPoint gives an unprecedented view of the Government supply chain.

- Integrate with DPMP
- Acquire parts data from any source
- Discover sources on Government Portals
- Transform commercial part descriptions to the FLIS ECCMA attribute schema
- Provide Parametric Search and Comparison

## Parts Selection Order of Preference



- Parts meeting Government requirements
- Industry standard parts from DOD adopted non-government standards
- MIL and Government standard parts
- DOD commonly available parts
- Industry standard parts from other non government standards
- Commonly available manufacturer part numbers.

# Pin Point

How hard can part selection be?

...Different sources describe the SAME thing differently

Commercial Parts for NSN 6135 009002139 on DoD EMALL



Energizer  
EN22

ENERGIZER  
ENE EN22

EVEREADY  
EN-22

EVEREADY BATTERY CORP.  
EVEEN22



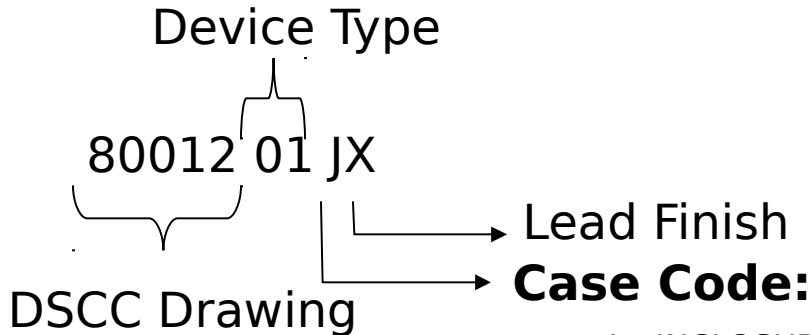
**NSN: 6135009002139**  
EVEREADY BATTERY CO INC  
EN22

*... 191 catalog entries  
Eveready EN22 with more  
than 30 different spellings*

## MDF Extraction Processes

Defense Supply Center Columbus  
*Taking the Lead in Land and Maritime Support*

### Microcircuit Part Number



Product properties are extracted and standardized to a uniform format

Enables attribute based searching

Allows for comparison and identification of equivalent items

- J - INCLOSURE MATERIAL - CERAMIC
- J - INCLOSURE CONFIGURATION - DUAL-IN-LINE (DIP)
- J - TERMINAL TYPE AND QUANTITY - 24 PRINTED CIRCUIT
- J - OVERALL LENGTH - 1.155 INCHES MINIMUM - 1.290 INCHES MAXIMUM
- J - OVERALL HEIGHT- 0.345 INCHES MINIMUM - 0.425 INCHES MAXIMUM
- J - OVERALL WIDTH 0.516 INCHES MINIMUM - 0.646 INCHES MAXIMUM
- ....

# Pin Point

<http://pinpoint.xsb.com>

- Comprehensive view of Government Part Data – NSNs and Portals
- Expanding source of commercial catalog data
- Standardized attributes makes parametric search easy
- Available at no cost to Government users through the DPMP

**Pin Point**

Auxiliary Slides



# Pin Point

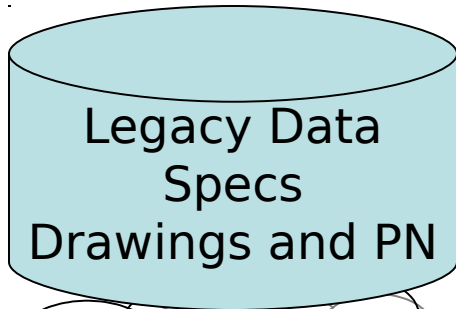
# Microcircuit Methodology

## 1) Data Acquisition

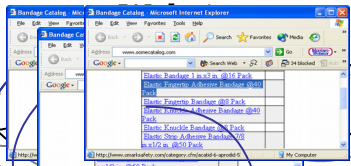


Defense Supply Center Columbus  
Taking the Lead in Land and Maritime Support

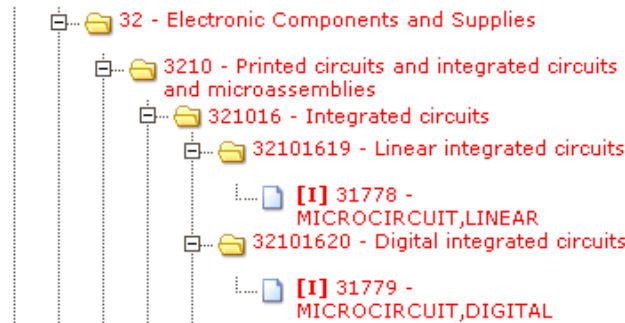
Attributes were enhanced for 4,683 Microcircuit NSNs using TI and DSCC part number logic.



Commercial



## 2) Classification



## 3) Extraction

ADAT	BODY WIDTH	0.610 INCHES MAXIMUM
ADAU	BODY HEIGHT	0.150 INCHES MINIMUM
		0.210 INCHES MAXIMUM
		CERAMIC
	RATION	DUAL-IN-LINE (Dip)

Information on 2,724 operational and instrumentation amplifier parts were harvested from Analog Devices using Xrover®. (NSNs and

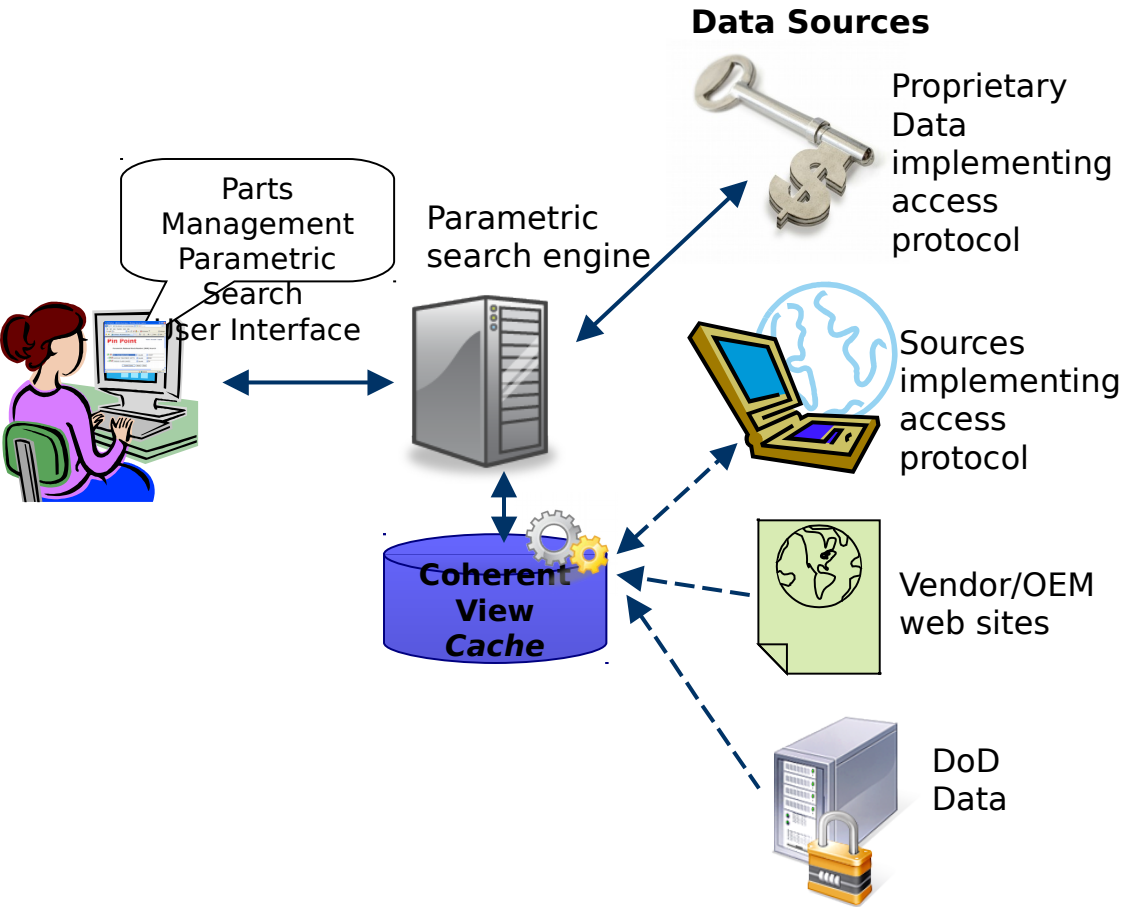
Parametric search user interface invokes parametric search engine by passing query parameters and getting a sorted list of results.

The parametric search engine should try to achieve maximum precision and efficiency in results generation. In order for the engine to maximize precision data it queries needs to be adhering to a single scheme, e.g. enhanced FCS ontology. The architecture picture describes information sources that the engine relies on. Information may either be pulled from accessible sources or provided by parts providers that implement a required communication protocol (like ISO8000).

Providers able to implement this protocol subscribe to a directory of data providers to be queried and provide necessary parameters, like products domains for data, possibly user restrictions (e.g. non-DoD users cannot see some data).

- Arrows pointing in both directions in the picture are shown for data providers implementing that protocol.

- Arrows in a single direction are shown when it is decided that a certain data source (or a multitude of them) contain data of interest. However that data source does not implement the specified communication protocol. Then data from this source can be obtained in a different way. For example, intelligent web



- 5995011767235 - DOD EMALL Suppliers
- 012448414 - tug elbow from Long Lead time micro prs
- 5962011801681 - note that FLIS had 2 technical characteristics, an additional 16 were added by interpreting DSCC Part Number Logic
- 5962013539887 - did not have any FLIS TCs, 22 attributes were added by collecting info from Analog Devices. Note the semantic transformation of Analog Parametric Data to FLIS-ECCMA standards.
- Seal NSNs: 011640679, 015466042, 015466047
- GIDEP PN 293D106X9020C2T      CAGE SH905 = NSN 5910014619038

## Part Number Search

### Part Information

Part Number

[Info](#) | [GSA + DOD EMALL](#) | [Report Download](#)

Results 1 - 4 of 4  
FLIS: Reference Number Cage Data (Segment C) [Download](#)

NSN	Part Number	CAGE	Company Name	BNCC RNVC Combination Meaning
5962-01-114-1472 [WSIT]	AD522SD/883B	24355	ANALOG DEVICES INC.	{3,2} The primary R/N which is item identifying, assigned by a manufacturer, professional association or standard designator to identify an item of production.
5962-01-131-3716 [WSIT]	AD522SD/883B	24355	ANALOG DEVICES INC.	{5,2} A secondary R/N which is item identifying.
5962-01-322-1799 [WSIT]	AD522SD/883B	51640	ANALOG DEVICES INC.	{3,1} The primary R/N which is not item identifying, assigned by a manufacturer, professional association or standard designator to identify an item of production.
5962-01-417-3256 [WSIT]	AD522SD/883B	51640	ANALOG DEVICES INC.	{3,2} The primary R/N which is item identifying, assigned by a manufacturer, professional association or standard designator to identify an item of production.

Results 1 - 3 of 3  
BSM: NSN Cage Part Number File [Download](#)

NSN	Part Number	CAGE	Company Name	BNCC RNVC Combination Meaning
5962-01-114-1472 [WSIT]	AD522SD/883B	24355	ANALOG DEVICES INC.	{3,2} The primary R/N which is item identifying, assigned by a manufacturer, professional association or standard designator to identify an item of production.
5962-01-131-3716 [WSIT]	AD522SD/883B	24355	ANALOG DEVICES INC.	{5,2} A secondary R/N which is item identifying.
5962-01-417-3256 [WSIT]	AD522SD/883B	51640	ANALOG DEVICES INC.	{3,2} The primary R/N which is item identifying, assigned by a manufacturer, professional association or standard designator to identify an item of production.

Results 1 - 3 of 3  
CTDF: NSN Part Number File [Download](#)

NSN	Part Number	CAGE	Company Name	BNCC RNVC Combination Meaning
5962-01-114-1472 [WSIT]	AD522SD/883B	24355	ANALOG DEVICES INC.	{3,2} The primary R/N which is item identifying, assigned by a manufacturer, professional association or standard designator to identify an item of production.
5962-01-131-3716 [WSIT]	AD522SD/883B	24355	ANALOG DEVICES INC.	{5,2} A secondary R/N which is item identifying.
5962-01-417-3256 [WSIT]	AD522SD/883B	51640	ANALOG DEVICES INC.	{3,2} The primary R/N which is item identifying, assigned by a manufacturer, professional association or standard designator to identify an item of production.

Results 1 - 2 of 2  
CV: NIIN/CAGE/Part Numbers [Download](#)

NSN	Part Number	CAGE	Company Name	CV Source Table
5962-01-131-3716 [WSIT]	AD522SD/883B	24355	COOPER LABORATORIES INC	CTDF: Procurement Identification Description
5962-01-322-1799 [WSIT]	AD522SD/883B	51640	ANALOG DEVICES INC	CTDF: Technical Guidance Information

Note, an additional source, Cooper Labs was discovered by mining free text of the PID



# Searching Government Portals

## National Stock Number (NSN) Information

National Stock Number (NSN)

- Lookup
- Parametric Search

[Info](#) | [Mgmt. Info](#) | [Proc. History](#) | [Ref. Data](#) | [Weapon Sys.](#) |

[NCP](#) | [Tech. Info](#) | [CTDF](#) | [ICP](#) | [GSA + DOD EMALL](#) | [FBO](#) | [Report Download](#)

This item is available from 7 suppliers in 2 different portals...Many suppliers do not know which catalog items are associated to NSNs

Results 1 - 7 of 7					Download
GSA Advantage					
Mfg. Name	Mfg. PN	Description	Price	Supplier Name	
FLUKE ELECTRONICS	B-24-0	CORD PATCH MULTI STACK BANANA PLUG 18AWG 24in BLACK	3.1500	KTEC EQUIPMENT AND SUPPLIES	
FLUKE ELECTRONICS	FL-B-24-0	MFGR P/N - B-24-0 : Banana Plug Patch Cord (Black)	3.7200	SHAMROCK SUPPLY	
FLUKE ELECTRONICS CORP	B-24-0	B-24-0 STACKING PLUG BANANA BLACK POMONADouble Click on the globe for information, photos, and specifications for part 162-380	3.8100	STANLEY SUPPLY & SERVICES, INC	
POMONA	B-24-0	MfrPart #: B-24-0 Newark Part #: 34FB49 MfrName: POMONA Product Category: Connector assemblies,TestDescription: Stacking Standard Banana Plug Each End, 18 AWG, 5000 Working Voltage DC, 15 Amp, +55 deg C, Black, 24 inch Length	5.1600	NEWARK IN ONE	
POMONA	B-24-0	BANANA PLUG PATCH CORD (BLACK), NSN 5995-01-176-7235 Must order in multiples of 6	3.9400	TECHNI-TOOL INC	
POMONA ELECTRONICS	B240	PATCH CORD BAN PLG STK BLK 2'	3.8700	CARLTON-BATES CO.	
POMONA ELECTRONICS	B-24-0	Allied Part Number: 8850016 Patch Cord, Stacking Banana Plug, Black 2 ft Stack-Up Banana Plug, Both Ends, 15 Amps, 24 Inches, Black - Quantity per Unit: 1	3.9300	Allied Electronics	

Results 1 - 3 of 3					Download
DOD EMALL					
Mfg. Name	Mfg. PN	Description	Price	Supplier Name	
<b>FEATURES:</b>					
<ul style="list-style-type: none"> <li>Mates to Model #1581, 2854 or standard Banana Jack.</li> <li>Cross and vertical stacking banana plug.</li> <li>Ideal for providing jumpers or chassis boxes.</li> </ul>					
<b>MATERIALS:</b>					
FLUKE CORPORATION/POMONA	B-24-0	<ul style="list-style-type: none"> <li>Conn: Extension Stacking Banana Plug</li> <li>Material: Spring, Beryllium Copper per QQ-C-533, Allow 172, Cond. HT. Plug Body: Brass, per QQ-B-626, Alloy 360, 1/2 hard. Finish: Nickel plate per QQ-N-290 class 2, 200/300 microinches. Insulation: Polypropylene molded to plug body and wire Color:</li> </ul>	3.94	Techni-Tool, Inc.	
Pomona	B-24-0		3.81	Stanley Supply & Services, Inc.	
POMONA ELECTRONICS	B-24-0	Patch Cord, Stacking Banana Plug, Black 2 ft	3.93	Allied Electronics, Inc.	



# Enhanced NSN Research

## National Stock Number (NSN) Information

National Stock Number (NSN)

Results 1 - 2 of 2

### FLIS: Technical Characteristics

[Download](#)

NSN ▲ ▾	MRC ▲ ▾	MRC Name ▲ ▾	MRC Value ▲ ▾
5962-01-180-1681 [WSIT]	AGAV	END ITEM IDENTIFICATION	TARGET ACQUISITION DESIGNATION SIGHT
5962-01-180-1681 [WSIT]	NAME	ITEM NAME	MICROCIRCUIT,DIGITAL

Results 1 - 16 of 16

### Extracted Technical Characteristics

[Download](#)

NSN ▲ ▾	MRC ▲ ▾	MRC Name ▲ ▾	MRC Value ▲ ▾
5962-01-180-1681 [WSIT]	ABHP	OVERALL LENGTH	1.155 INCHES MINIMUM
5962-01-180-1681 [WSIT]	ABHP	OVERALL LENGTH	1.290 INCHES MAXIMUM
5962-01-180-1681 [WSIT]	ABKW	OVERALL HEIGHT	0.345 INCHES MINIMUM
5962-01-180-1681 [WSIT]	ABKW	OVERALL HEIGHT	0.425 INCHES MAXIMUM
5962-01-180-1681 [WSIT]	ABMK	OVERALL WIDTH	0.516 INCHES MINIMUM
5962-01-180-1681 [WSIT]	ABMK	OVERALL WIDTH	0.646 INCHES MAXIMUM
5962-01-180-1681 [WSIT]	ADAQ	BODY LENGTH	1.150 INCHES MINIMUM
5962-01-180-1681 [WSIT]	ADAQ	BODY LENGTH	1.290 INCHES MAXIMUM
5962-01-180-1681 [WSIT]	ADAT	BODY WIDTH	0.500 INCHES MINIMUM
5962-01-180-1681 [WSIT]	ADAT	BODY WIDTH	0.610 INCHES MAXIMUM
5962-01-180-1681 [WSIT]	ADAU	BODY HEIGHT	0.150 INCHES MINIMUM
5962-01-180-1681 [WSIT]	ADAU	BODY HEIGHT	0.210 INCHES MAXIMUM
5962-01-180-1681 [WSIT]	CQSJ	INCLOSURE MATERIAL	CERAMIC
5962-01-180-1681 [WSIT]	CQSZ	INCLOSURE CONFIGURATION	DUAL-IN-LINE (Dip)
5962-01-180-1681 [WSIT]	LEAD FINISH		(X) MARK ON SPECIFICATION ONLY (EITHER HOT SOLDER DIP, TIN-LEAD PLATE, OR GOLD PLATE)
5962-01-180-1681 [WSIT]	TTQY	TERMINAL TYPE AND QUANTITY	24 PRINTED CIRCUIT

FLIS catalogs 2 technical attributes for this NSN

PinPoint extracts and infers additional technical attributes by interpreting DSCC PN information associated with the NSN

# Pin Point

## Parametric National Stock Number (NSN) Search

INC - Item Name Code equals 47946

RING OUTSIDE DIAMETER (ADE) equals 0.142 INCHES

CENTER HOLE DIAMETER (ADY) equals 0.07 INCHES

ENVIRONMENT - MATTER equals ACCEPTABLE FOR AQUEOUS

Results 1 - 40 of 175

[Download](#)

INC - Item Name Code equals 47946::O-RING and  
 RING OUTSIDE DIAMETER (ADEV) equals 0.142 INCHES and  
 CENTER HOLE DIAMETER (ADYT) equals 0.07 INCHES and  
 ENVIRONMENT - MATTER equals ACCEPTABLE FOR AQUEOUS

#	NSN/PN	Compare	Source	Item Name	FIIG	Criticality Code
1	5331-00-874-2910 [WSIT]	<input checked="" type="checkbox"/>	DLA	O-RING (47946)	O-RING(A510X0)	X
2	NX352-70 5-187	<input checked="" type="checkbox"/>	PARKER HANNIFIN CORPORATION	O-RING (47946)		
3	NX352-70 5-051	<input checked="" type="checkbox"/>	PARKER HANNIFIN CORPORATION	O-RING (47946)		
4	NW163-75 5-187	<input checked="" type="checkbox"/>	PARKER HANNIFIN CORPORATION	O-RING (47946)		
5	NW163-75 5-051	<input type="checkbox"/>	PARKER HANNIFIN CORPORATION	O-RING (47946)		
6	NM156-75 5-187	<input type="checkbox"/>	PARKER HANNIFIN CORPORATION	O-RING (47946)		

# Pin Point

INC - Item Name Code equals 31778

OPERATING TEMP RANGE (AFG) MIN >= -55 DEG CELSIUS

OPERATING TEMP RANGE (AFG) MAX <= 125 DEG CELSIUS

INPUT CIRCUIT PATTERN (CQZF) equals 1 CHANNEL

TERMINAL TYPE AND QUANTITY equals 8 PIN

Results 1 - 15 of 15

[Download](#)

**INC - Item Name Code equals 31778::MICROCIRCUIT,LINEAR and  
 OPERATING TEMP RANGE (AFGA) MIN ≥ -55 DEG CELSIUS and  
 OPERATING TEMP RANGE (AFGA) MAX ≤ 125 DEG CELSIUS and  
 INPUT CIRCUIT PATTERN (CQZP) equals 1 CHANNEL and  
 TERMINAL TYPE AND QUANTITY (TTQY) equals 8 PIN**

#	NSN/PN	Compare	Source	Item Name	FIIG	Criticality Code
1	5962-01-539-8620 [WSIT]	<input type="checkbox"/>	DLA	MICROCIRCUIT,LINEAR (31778)	MICROCIRCUIT DEVICES(A458A0)	X
2	5962-01-536-4704 [WSIT]	<input type="checkbox"/>	DLA	MICROCIRCUIT,LINEAR (31778)	MICROCIRCUIT DEVICES(A458A0)	X
3	5962-01-473-5867 [WSIT]	<input type="checkbox"/>	DLA	MICROCIRCUIT,LINEAR (31778)	MICROCIRCUIT DEVICES(A458A0)	X
4	5962-01-459-9217 [WSIT]	<input type="checkbox"/>	DLA	MICROCIRCUIT,LINEAR (31778)	MICROCIRCUIT DEVICES(A458A0)	X
5	5962-01-455-7517 [WSIT]	<input type="checkbox"/>	DLA	MICROCIRCUIT,LINEAR (31778)	MICROCIRCUIT DEVICES(A458A0)	X
6	5962-01-412-4764 [WSIT]	<input type="checkbox"/>	DLA	MICROCIRCUIT,LINEAR (31778)	MICROCIRCUIT DEVICES(A458A0)	X
7	5962-01-397-1304 [WSIT]	<input type="checkbox"/>	DLA	MICROCIRCUIT,LINEAR (31778)	MICROCIRCUIT DEVICES(A458A0)	X
8	5962-01-198-8899 [WSIT]	<input checked="" type="checkbox"/>	DLA	MICROCIRCUIT,LINEAR (31778)	MICROCIRCUIT DEVICES(A458A0)	X
9	5962-01-189-9485 [WSIT]	<input checked="" type="checkbox"/>	DLA	MICROCIRCUIT,LINEAR (31778)	MICROCIRCUIT DEVICES(A458A0)	X
10	AD549LHZ	<input checked="" type="checkbox"/>	ANALOG DEVICES INC.	MICROCIRCUIT,LINEAR (31778)		
11	AD549LH	<input checked="" type="checkbox"/>	ANALOG DEVICES INC.	MICROCIRCUIT,LINEAR (31778)		





### Parametric National Stock Number (NSN) Search

INC - Item Name Code	equals	47946	
CROSS-SECTIONAL HEIGHT (ADVN)	equals	0.139	INCHES
CENTER HOLE DIAMETER (ADYT)	equals	3.734	INCHES
MATERIAL (MATT)	equals	FLUOROCARBON	
SPECIFICATION	equals	MIL-R-83248	

Submit Query    Reset    Clear

Compare    Clear

Results 1 - 6 of 6 Download

**INC - Item Name Code equals 47946::O-RING and  
CROSS-SECTIONAL HEIGHT (ADVN) equals 0.139 INCHES and  
CENTER HOLE DIAMETER (ADYT) equals 3.734 INCHES and  
MATERIAL (MATT) equals FLUOROCARBON and**

# Pin Point

## Part Information

Part Number

[Info](#) | [GSA + DOD EMAIL](#) | [Report Download](#)

Results 1 - 2 of 2

[Download](#)

FLIS: Reference Number Cage Data (Segment C)

NSN	Part Number	CAGE	Company Name	RNCC RNVC Combination Meaning
5962-01-180-1681 [WSIT]	8001201JX	16236	DEFENSE SUPPLY CENTER COLUMBUS	{3,2} The primary R/N which is item identifying, assigned by a manufacturer, professional association or standard designator to identify an item of production.
5962-01-237-2286 [WSIT]	8001201JX	8W664	INTEL CORP	{3,2} The primary R/N which is item identifying, assigned by a manufacturer, professional association or standard designator to identify an item of production.

No Results Found

BSM: NSN Cage Part Number File

Results 1 - 2 of 2

[Download](#)

CTDF: NSN Part Number File

NSN	Part Number	CAGE	Company Name	RNCC RNVC Combination Meaning
5962-01-180-1681 [WSIT]	8001201JX	16236	DEFENSE SUPPLY CENTER COLUMBUS	{3,2} The primary R/N which is item identifying, assigned by a manufacturer, professional association or standard designator to identify an item of production.
5962-01-237-2286 [WSIT]	8001201JX	8W664	INTEL CORP	{3,2} The primary R/N which is item identifying, assigned by a manufacturer, professional association or standard designator to identify an item of production.